

Mr. Justin Shobe Humboldt County Health Department Division of Environmental Health 100 H Street, Suite 100 Eureka, California 95501 June 15, 2006

Re: Workplan for Additional Investigation

Former Totem Pole Market 580 South Fortuna Boulevard, Fortuna, CA HCDEH LOP No. 12028 Blue Rock Project No. NC-40

Dear Mr. Shobe,

This document presents a workplan for additional investigation for the referenced project at 580 South Fortuna Boulevard, Fortuna, Humboldt County, California (site) (Figure 1), and was prepared for Valerie Ellis by Blue Rock Environmental, Inc. (Blue Rock). The Humboldt County Division of Environmental Health (HCDEH) requested further investigation in a letter dated June 2, 2006.

#### Background

#### Site Description

The former Totem Pole Market is located on the corner of South Fortuna Boulevard and 1<sup>st</sup> Street in Fortuna, California. The site is located in an area of low topographic relief and is considered part of the Eel River flood plain (Figure 1). The site contains one single-story building. The site formerly contained two (2) 1,000-gallon gasoline and one (1) 550-gallon used oil underground storage tanks (USTs) (Figure 2).

#### UST Removal & Overexcavation

In 1977, Beacom Construction (Beacom) of Fortuna, California, on behalf of Mr. Marvin Fork, closed the two 1,000 gallon USTs in place by filling with a cement slurry under regulations of the time. In 1988, an Unauthorized Release Form was filed by Mr. Fork with Humboldt County. In 1990, LACO Associates (LACO) was retained to evaluate the site for possible overexcavation. LACO subsequently supervised the excavation of three test pits to determine the feasibility of overexcavation.

In March 1994, the two (2) 1,000-gallon gasoline USTs were removed by Haberstock Construction. At that time, the third 550-gallon used oil UST was discovered and removed. The three (3) USTs were transported to Erickson Inc of Richmond, California. Following UST removal, approximately 180 cubic yards of petroleum hydrocarbon impacted soil was overexcavated and disposed of at B&J landfill in Vacaville, California.

#### Site Investigation History

Subsurface investigation activities have been ongoing at the site since 1995. A total of approximately 27 soil borings have been drilled and six monitoring wells (MW-1, MW-2, MW-3, MW-4S, MW-4D and MW-5D) had been installed at the site (Figure 2). Groundwater monitoring has been ongoing since the wells were installed. Following the installation of MW-4S, 4D and 5D, it was learned that two water bearing zones appeared to be present beneath the site. This prompted the destruction of MW-1 through MW-3 (screened through both zones) and the installation of two additional nested well pairs MW-1D, 1S, 3D and 3S. Wells MW-1S, MW-3S, and MW-4S are screened from ~4-9 ft bgs, which will be referred to as the "A-Zone". Wells MW-1D, MW-3D, MW-4D, and MW-5D are screened from ~14-19 ft bgs, which will be referred to as the "B-Zone".

Historical well construction data are summarized in Table 1. Historical soil and groundwater sample data are summarized in Tables 2, 3, and 4, respectively.

#### Summary of Petroleum Type

The predominant types of impact that have been detected in the subsurface include total petroleum hydrocarbons as gasoline (TPHg), benzene, toluene, ethylbenzene, and xylenes (BTEX), and the fuel oxygenates MTBE, TBA, ETBE, and TAME. TPH as diesel (TPHd) has also been detected, but at lower levels.

#### Hydrogeologic Conditions

Historical investigation data were used to construct geologic cross-sections shown on Figures 2a and 2b. The first couple feet below grade consists of baserock fill. A clayey silt or silty clay (CL-ML) appears to be laterally continuous across the site from 2 to 10 feet bgs. Static groundwater has been found to occur in this zone at a depths ranging between approximately 2 to 5 feet bgs (based on data from discretely screened wells).

The depth interval from 10 to 20 feet bgs is characterized by sands (SM-SC), which appears to contain fine gravel (GM) locally at a depth of 15 ft bgs and lower. This sand unit appears to be present beneath the former USTs and extends laterally to the north and east; however, it appears to pinch out, or grade to finer-grained sediments (i.e. ML with sand), laterally to the south and west (Figure 2a and 2b). Static groundwater has been found to occur in this zone at a depths ranging between approximately 10 to 15 feet bgs (based on data from discretely screened wells).

The installation of these new discretely screened wells allowed for calculation of groundwater flow direction for both the shallow and deep zones for the first time. The groundwater flow direction in the shallow zone (screen 4-9 ft bgs) was toward the northwest (Figure 3a), which is consistent with local topographic slope and the distribution of petroleum hydrocarbons extending northwest from the former UST system. The groundwater flow direction in the deep zone (14-19 ft bgs) has been toward the south at (Figure 3b). This flow direction is not consistent with local topographic relief or the distribution of petroleum hydrocarbons detected in this zone.

The potential for a vertical gradient between the shallow and deep zones was evaluated by comparing groundwater elevations of three dual completion well sets (i.e. MW1S and MW-1D, etc). Groundwater elevations in the A-Zone wells were approximately 6 to 9 feet higher than those in the B-Zone wells. This condition shows potential downward movement of groundwater from the A- to B-Zone.

This condition may explain why the groundwater samples from MW-1D (B-Zone well) is the most impacted well. At this site, it appears much of gasoline impact to soil has spread laterally to the north and northwest from ~3-10 ft bgs by the northwesterly lateral groundwater flow in the A-Zone (~4-9 ft bgs). It appears water from the A-Zone eventually migrates downward, based on the fact that A-Zone groundwater elevations are higher than the B-Zone elevations, after the water has resided in contact with the gasoline impacts to soil from ~3-10 ft bgs. Thus, groundwater in MW-1D has passed through the soil impact at ~3-10 ft bgs and is laden with dissolved-phase gasoline by the time it reaches the B-Zone.

#### Distribution and Mass of Gasoline in Soil

The residual sorbed-phase gasoline plume appears to be delineated. It is generally located at a depth of approximately 3 to 10 feet bgs, with the highest levels of TPHg remaining along the western side of the excavations and extending north and west under 1st Street; however, the extent of the residual sorbed-phase plume does not appear to encroach onto adjoining properties based on soil analytical data collected from B5/1-15 and B4-0299. The maximum residual sorbed-phase TPHg concentration was detected along the western limit of the northern excavation at 4,600 mg/kg. Further excavation in that direction was unfeasible due to the location of the building. In their report dated June 2005, LACO estimated that a mass of approximately 880 lbs (400 kg) of TPHg remained in the sorbed-phase. The estimated extent of TPHg in soil from 3 to 10 ft bgs is shown on Figure 4, and in cross-sections shown on Figure 2a and 2b.

#### Distribution of Gasoline Impacts in Groundwater

The lateral extent of dissolved-phase TPHg in the A-zone was estimated using cumulative sample data collected from that zone (i.e. both grab groundwater and monitoring well data collected from ~4-9 ft bgs). Only two groundwater monitoring events have been completed with the new monitoring well suite that permit calculation of groundwater flow direction in this zone, which has twice shown flow in the A-Zone toward the northwest. Therefore, the downgradient extent of the A-Zone plume beyond MW-1S was estimated using data from B5-15. As demonstrated in the letter dated June 2, 2006, data previously collected from B5-15 does not appear to satisfy the HCDEH's concern regarding delineation to the north, thus additional sampling in that direction is needed.

The lateral extent of dissolved-phase TPHg in the B-zone was estimated using cumulative sample data collected from that zone (i.e. both grab groundwater and monitoring well data collected from ~14-19 ft bgs). Only two groundwater monitoring events have been completed with the new monitoring well suite that permit calculation of groundwater flow direction in this zone, which has twice shown flow in the B-Zone toward the south-southwest. Therefore, the

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downgradient of the B-Zone plume beyond MW-1D is toward the south-southwest, and not toward the north. Nevertheless, the northerly extent of dissolved-phase TPHg in the B-Zone beyond MW-1D is only delineated by the grab groundwater sample from B1-0299 and B4-0299 (TPHg <50  $\mu$ g/L), which are located about 65 feet north-northeast and 37 feet west-northwest of MW-1D. A groundwater sample point in between MW-1D, B1-0299, and B4-0299 would shed light on the actual extent of dissolved-phase TPHg in the B-Zone.

Based on HCDEH comments in the April 5, 2006 letter, it appears that additional wells pairs and/or soil borings installed on the property to the north of MW-1S/1D (490 S. Fortuna Blvd) would be useful in answering questions posed in that letter regarding distribution of groundwater impacts.

In response to denial of access to the property in 2004, the HCDEH corresponded directly to the property owners in a letter dated January 10, 2005 citing Section 13267(b) of the California Water Code which requires property owners who deny access for this purpose to perform the requested work themselves. It is our understanding through conversation with Mr. Mark Verhey of the HCDEH, that the property owner of 490 S. Fortuna had recently contacted the HCDEH and exhibited a willingness to allow access to that property.

Additionally, based on comments in the June 2, 2006 HCDEH letter regarding the observed southerly flow direction in the B-Zone it appears additional monitoring points are necessary south of the former UST locations.

#### Proposed Scope of Work

The purpose of this phase of work is to further evaluate the shallow water bearing zone at approximately 4 to 9 feet bgs and the lower water bearing zone from approximately 14 to 20 feet bgs to the north - northwest of MW-1S / 1D and to the south of the former UST locations.

In the June 2, 2006 letter the HCDEH recommended that soil borings rather than monitoring well be installed to evaluate the potential for petroleum hydrocarbon impact northerly of MW-1S/D and southerly of the former USTs. However, it is Blue Rock's opinion that the installation of dual completion (nested) monitoring well pairs identical to the nested well pairs already installed to address delineation of dissolved phase hydrocarbon impact to the north and south in the A and B Zones would provide a more productive data set. Specifically, the installation of nested well pairs would provide much greater insight into temporal trends in the magnitude and extent of dissolved phase hydrocarbon impact. Further, the addition of these permanent monitoring points would provide a better understanding of groundwater flow direction and gradient in the two zones. Finally, based on recent HCDEH comments, it appears that soil and groundwater data previously collected from temporary borings were not sufficient to address HCDEH concerns regarding impacts to the north of MW-1S/D and south of the former USTs, mostly due to the fact that they cannot be resampled to replicate initial results. Because of these conditions, Blue Rock prefers to install permanent monitoring wells over temporary borings in the areas of interest.

Blue Rock proposes the following drilling program:

- Installation of nested well pair MW-6S/D approximately 10 feet south of the former USTs for the delineation of dissolved phase hydrocarbons.
- Installation of nested well pair MW-7S/D approximately 25 feet northwest of nested well pair MW-1S/D for the delineation of dissolved phase.
- Optional well pair MW-8S/D. If obvious hydrocarbon impact is observed during the installation of MW-7S/D, Blue Rock proposes installation of an additional well pair (MW-8S/D) in the next available drilling location approximately 60 feet northwest of the proposed MW-7S/D drilling location.

The dual-completion wells will be installed in individual boreholes separately laterally by approximately 5 feet. The nested wells screens will be separated vertically by at least 5 feet, so that potential vertical gradients between the two zones can be evaluated. Proposed well locations are shown on Figure 6.

#### Pre-Field Activities

Prior to drilling, Blue Rock will prepare site specific Health and Safety Plan. Drilling permits will be obtained the HCDEH, and appropriate right-of-entry permits will be obtained from off-site property owners. Prior to conducting and drilling, the site will be marked by Underground Service Alert to identify utilities leading to the site. Additionally, a private utility locator may be employed to clear exact drilling locations.

#### Drilling, Sampling, and Installation of Dual-Completion Well Sets

Drilling will be performed by a C-57 licensed driller using a truck-mounted rill-rig equipped with 8-inch diameter hollow-stem augers. During drilling, soil samples will be collected at five-foot intervals in a California Modified Split-Spoon sampler lined with clean, brass tubes. The Blue Rock scientist will log soil types in accordance with the Unified Soil Classification System. Additionally, soil samples will be screened for the presence of volatile petroleum hydrocarbon vapors with a photo-ionizing organic vapor meter (OVM).

Blue Rock proposes to collect approximately two soil samples from each drilling location for laboratory analysis. The purpose of this sampling will be to compare current soil contamination levels to those previously measured proximal to B5/1-15 in 1996 and B4-0299 in 1999. Collection of current data will provide for better calculation of the existing sorbed-phase mass remaining in-situ. The soil samples will be selected from the approximate 5 to 10 feet depth intervals. These samples will be covered with Teflon lined plastic caps, labeled, documented on a chain-of custody form, and placed on ice in a cooler for transport to the project laboratory.

Blue Rock will supervise construction of monitoring wells in the boreholes. Well screens will target two zones: the shallow wells will be screened from about 4 to 9 feet bgs, and the lower zone wells will be screened from about 14 to 19 feet bgs. The wells will be constructed of clean, flush-threaded, two-inch diameter PVC well materials. Well screen will consist of 0.01-inch slot. A filter pack of Lonestar #2/12 sand will extend from the bottom of each boring to one feet

above the screened interval. The filter pack will be sealed by a one-foot layer of hydrated bentonite. The remaining annular space will be filled with cement and a tamper-resistant box will be concreted in place over the wellhead. Tentative well construction details are shown on Figure 7.

#### Well Development and Survey

The wells will be developed by surging and bailing no earlier than 72 hours following installation. Development will involve the removal of water from each well until such time that it is relatively free of sediment, and pH, temperature, and conductivity parameters have stabilized. It is anticipated that the water volume removed will not exceed 10 saturated casing volumes. The new wells and sampling points will be surveyed according to GeoTracker requirements.

#### Well Sampling

Following drilling and well installation activities, Blue Rock will incorporate the new wells into the existing quarterly groundwater monitoring program for the site.

Prior to purging or sampling, an electronic water level indicator accurate to within  $\pm 0.01$ -ft will be used to gauge depth to water in each well. All wells will also be checked for the presence of light non-aqueous phase liquids (LNAPLs) prior to sampling.

The wells will be purged of groundwater until such time that the parameters pH, temperature, and conductivity have stabilized. At a minimum, parameter measurements will be taken at every saturated well casing volume purged. A minimum of three saturated casing volumes will be purged, unless the well goes dry, but no more than five saturated casings volumes will be removed.

Following recovery of water columns to at least 80% of their static levels, or after passage of two hours (if designated recovery levels have not occurred), groundwater samples will be collected from the monitoring wells using polyethylene sampling bailers. Samples will be decanted into laboratory supplied containers, labeled, documented on a chain-of-custody form, and placed on ice in a cooler for transport to the project laboratory.

#### Soil and Groundwater Sample Analyses

The soil and groundwater samples will be analyzed by a California DHS-certified laboratory for:

- TPHd by EPA Method 8015M with silica-gel clean-up
- TPHg, BTEX, and MTBE by EPA Method 8260B

### Decontamination and Management of Investigation Derived Soil and Water

Prior to, and between, use all downhole drilling and sampling equipment will either be steam-cleaned or washed in an Alconox® solution followed by double rinse in clean tap water. Soil cuttings and auger/sampler rinseate will be stored in labeled 55-gallon drums on-site pending appropriate disposal. Blue Rock will utilize the analytical results for soil and/or water samples collected from the borings to coordinate soil and water recycling/disposal.

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#### Reporting

Blue Rock will prepare a report following this phase work. The report will include description of field and laboratory methods, results, discussion/interpretation, and recommendations, as conditions warrant. The report text will be supported by tabulated data and drawings. The report will be prepared under the supervision of, and signed by, a California Professional Geologist at Blue Rock. Blue Rock will also make appropriate uploads to GeoTracker, as required.

#### **Groundwater Monitoring Program**

The site is currently being monitored on a quarterly basis per the HCDEH directives. The next quarterly sampling event is scheduled for July 2006. The new wells will be matriculated into the program. Groundwater samples will be analyzed for TPHd, TPHg, BTEX, and MTBE. Blue Rock recommends that all newly installed wells be monitored for at least four consecutive quarters to determine potential trends in contaminant concentrations and groundwater elevations.

#### Certification

This report was prepared under the supervision of a California Professional Geologist at Blue Rock. All statements, conclusions, and recommendations are based upon published results from past consultants, field observations by Blue Rock, and analyses performed by a state-certified laboratory as they relate to the time, location, and depth of points sampled by Blue Rock. Interpretation of data, including spatial distribution and temporal trends, are based on commonly used geologic and scientific principles. It is possible that interpretations, conclusions, and recommendations presented in this report may change, as additional data become available and/or regulations change.

Information and interpretation presented herein are for the sole use of the client and regulating agency. The information and interpretation contained in this document should not be relied upon by a third party.

The service performed by Blue Rock has been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the area of the site. No other warranty, expressed or implied, is made.

If you have any questions regarding this project, please contact us at (707) 441-1934.

Sincerely,

Blue Rock Environmental, Inc.

Prepared by:

Andrew LoCicero Project Scientist Reviewed by:

Brian Gwinn, PG Principal Geologist

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#### Attachments:

- Table 1: Well Construction Details
- Table 2: Soil Analytical Data
- · Table 3: Groundwater Elevations and Analytical Data
- Table 4: Grab Groundwater Analytical Data
- Figure 1: Site Location Map
- · Figure 2: Site Plan
- · Figure 2a: A-A' Cross-Section
- · Figure 2b: B-B' Cross-Section
- Figure 3a: Groundwater Elevations and Gradient 4/4/06 (A-Zone 4-9 ft bgs)
- Figure 3b Groundwater Elevations and Gradient 4/4/06 (B-Zone 14-19 ft bgs)
- Figure 4: TPHg in Soil (~3-10 ft bgs)
- Figure 5a: Cumulative Groundwater Sample Data (A-Zone 4-9 ft bgs)
- Figure 5b: Cumulative Groundwater Sample Data (B-Zone 14-19 ft bgs)
- Figure 6: Proposed Well Installation
- Figure 7: Proposed Monitoring Well Locations

#### Distribution:

Val Ellis, PO Box 378, Miranda, CA 95553

## Table 1 WELL CONSTRUCTION DETAILS

| Monitoring<br>Well<br>Identification | Date<br>Intstalled | Intstalled<br>by | Casing<br>Diameter<br>(inches) | Total<br>Depth<br>(feet) | Blank<br>Interval<br>(feet) | Screened<br>Interval<br>(feet) | Slot<br>Size<br>(inches) | Filter<br>Pack<br>(feet) | Bentonite<br>Seal<br>(feet) | Cement<br>Grout<br>(feet) |
|--------------------------------------|--------------------|------------------|--------------------------------|--------------------------|-----------------------------|--------------------------------|--------------------------|--------------------------|-----------------------------|---------------------------|
| MW-1*                                | 6/25/96            | Laco             | 2                              | 15                       | 0-5                         | 5-15                           | 0.01                     | 4-15                     | 2-4                         | 0-2                       |
| MW-2*                                | 6/25/96            | Laco             | 2                              | 15                       | 0-5                         | 5-15                           | 0.01                     | 4-15                     | 2-4                         | 0-2                       |
| MW-3*                                | 6/25/96            | Laco             | 2                              | 15                       | 0-5                         | 5-15                           | 0.01                     | 4-15                     | 2-4                         | 0-2                       |
| MW-4S                                | 2/5/05             | Laco             | 2                              | 9                        | 0-4                         | 4-9                            | 0.01                     | 3-9                      | 1-3                         | 0-1                       |
| MW-4D                                | 2/5/05             | Laco             | 2                              | 18                       | 0-13                        | 13-18                          | 0.01                     | 12-18                    | 10-12                       | 0-10                      |
| MW-5D                                | 2/5/05             | Laco             | 2                              | 20                       | 0-15                        | 15-20                          | 0.01                     | 14-20                    | 12-14                       | 0-12                      |
| MW-1D                                | 1/19/06            | Blue Rock        | 2                              | 19                       | 0-14                        | 14-19                          | 0.01                     | 13-19                    | 12-13                       | 0-12                      |
| MW-1S                                | 1/19/06            | Blue Rock        | 2                              | 9                        | 0-4                         | 4-9                            | 0.01                     | 3-9                      | 2-3                         | 0-2                       |
| MW-3D                                | 1/19/06            | Blue Rock        | 2                              | 19                       | 0-14                        | 14-19                          | 0.01                     | 13-19                    | 12-13                       | 0-12                      |
| MW-3S                                | 1/19/06            | Blue Rock        | 2                              | 9                        | 0-4                         | 4-9                            | 0.01                     | 3-9                      | 2-3                         | 0-2                       |

<sup>\* =</sup> well has been destroyed

#### Table 2 SOIL ANALYTICAL DATA

|                    | Sample     |         |         |         |         |         |         |         |         | TBA, ETBE, |         |
|--------------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|------------|---------|
| Sample             | Depth      | Sample  | TPHd    | TPHg    | В       | T       | E       | X       | MTBE    | DIPE, TAME | Pb      |
| ID                 | (feet bgs) | Date    | (mg/kg)    | (mg/kg) |
| 1990 Test Pits     |            |         |         |         |         |         |         |         |         |            |         |
| 3472-1             |            | 11/6/90 |         | <1      | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 3472-2             |            | 11/6/90 |         |         |         |         |         |         |         |            | 6.8     |
| 3472-3             |            | 11/6/90 | **      | <1      | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 3472-4             |            | 11/6/90 |         |         | < 0.005 | <0.005  | < 0.005 | < 0.01  |         |            | 5.7     |
| 1994 Overexcavat   | ion        |         |         |         |         |         |         |         |         |            |         |
| 1                  | 4' - 5'    | 3/1/94  |         | 1.1     | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 2                  | 4' - 5'    | 3/1/94  | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 3                  | 4' - 5'    | 3/1/94  |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 4                  | 4' - 5'    | 3/1/94  |         |         |         |         | -       |         |         | **         | 7       |
| 5                  | 5'         | 3/4/94  | -       | 3.2     | < 0.005 | < 0.005 | < 0.02  | < 0.02  |         |            | **      |
| 6                  | 5'         | 3/4/94  |         | 8.1     | < 0.005 | < 0.005 | < 0.06  | < 0.06  |         |            |         |
| 7                  | 5'         | 3/4/94  |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 8                  | 5'         | 3/4/94  |         | 400     | < 0.05  | < 0.3   | <10     | <10     |         |            | -       |
| 9                  | 5'         | 3/4/94  |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | **      |            |         |
| 10                 | 5'         | 3/4/94  |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         | **         | **      |
| 11                 | 5'         | 3/4/94  |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | **      | **         | **      |
| 12                 | 5'         | 3/4/94  |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            | **      |
| 13                 |            | 3/5/94  |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            | -       |
| 14                 |            | 3/5/94  |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 15                 | 5'         | 3/5/94  |         | 670     | < 0.1   | < 0.5   | <10     | <10     |         |            |         |
| 16                 | 4'-5'      | 3/11/94 |         | 3.9     | < 0.005 | < 0.005 | < 0.1   | < 0.1   | **      | **         |         |
| 17                 | 4'-5'      | 3/11/94 |         | 750     | < 0.25  | < 0.25  | < 0.1   | < 0.1   | **      | **         |         |
| 18                 | 4'-5'      | 3/11/94 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 19                 | 4'-5'      | 3/11/94 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 20                 |            | 3/14/94 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 21                 |            | 3/14/94 |         | 1.5     | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 22                 |            | 3/16/94 | 35      | 670     | <1      | <5      | <5      | <5      | **      |            | 7.7     |
| 23                 | 4'-5'      | 3/21/94 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  |         |            |         |
| 24                 | 4'-5'      | 3/21/94 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | **      | **         | **      |
| 25                 | 4'-5'      | 3/21/94 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | -       |            |         |
| 26                 | 4'-5'      | 3/22/94 |         | 4,600   | <1.3    | <10     | <50     | <50     |         |            | -       |
| 27                 | 4'-5'      | 3/22/94 |         | 590     | < 0.25  | <2      | <10     | <10     |         |            |         |
| 28                 | 4'-5'      | 3/22/94 |         | 980     | 0.52    | <5      | <20     | <20     |         |            |         |
| 1A,1B,1C,1D        | SP         | 4/1/94  | **      | 450     | < 0.1   | <1      | <10     | <10     |         |            | 11      |
| 2A,2B,2C,2D        | SP         | 4/1/94  | -       | 1.4     | < 0.005 | < 0.005 | <0.005  | <0.01   | -       | -          | 17      |
| 1996 Investigation |            |         |         |         |         |         |         |         |         |            |         |
| B-1                | 3'         | 2/27/96 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.05  | -          | -       |
| B-2                | 2.5'       | 2/27/96 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.05  | **         | **      |
| B-2                | 8'         | 2/27/96 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.05  | -          |         |
| B-3                | 2'         | 2/27/96 |         | 480     | 0.15    | <0.03   | <5      | <5      | <0.5    | -          |         |
| B-3                | 7' - 9'    | 2/27/96 | **      | 370     | <.1     | <0.2    | < 0.4   | <0.4    | <1      |            |         |
| B-3                | 12' 14'    | 2/27/96 |         | 50      | 0.049   | < 0.05  | <1      | <1      | < 0.05  |            |         |
| B-5                | 2.5'       | 2/27/96 |         | 57      | 0.042   | < 0.05  | < 0.5   | < 0.5   | < 0.05  | -          | ***     |
| B-5                | 7"         | 2/27/96 | -       | 5.1     | 0.037   | 0.012   | 0.056   | 0.243   | < 0.05  | -          |         |
| B-6                | 2.5'       | 3/1/96  |         | <1.0    | <0.005  | < 0.005 | < 0.005 | < 0.01  | < 0.05  | -          | -       |
| B-6                | 7          | 3/1/96  | -1.0    | <1.0    | <0.005  | <0.005  | 0.014   | 0.029   | < 0.05  | -          |         |
| MW-1               | 4.5'-6.5'  | 6/25/96 | <1.0    | <1.0    | < 0.005 | < 0.005 | <0.005  | <0.005  | <0.05   | -          |         |
| MW-1               | 10'-11.5'  | 6/25/96 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | <0.005  | < 0.05  |            |         |
| MW-1               | 15'-16.5'  | 6/25/96 | -       | 30      | < 0.025 | < 0.025 | < 0.5   | < 0.5   | < 0.05  | -          | 5.5     |
| MW-2               | 5'-6.5'    | 6/25/96 | -1.0    | <1.0    | < 0.005 | < 0.005 | <0.005  | <0.005  | < 0.05  |            | 5.2     |
| MW-2               | 10'-11.5'  | 6/25/96 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  | -          | -       |
| MW-2               | 15'-16.5'  | 6/25/96 | <1.0    | <1.0    | < 0.005 | <0.005  | <0.005  | <0.005  | <0.05   | -          |         |
| PZ-3               | 5'-6.5'    | 6/25/96 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            | 5.7     |
| PZ-3               | 10'-11.5'  | 6/25/96 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  | -          | -       |
| PZ-3               | 15'-16.5'  | 6/25/96 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |

#### Table 2 SOIL ANALYTICAL DATA

|                                | Sample     |         |         |         |         |         |         |         |         | TBA, ETBE, |         |
|--------------------------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|------------|---------|
| Sample                         | Depth      | Sample  | TPHd    | TPHg    | В       | T       | E       | X       | MTBE    | DIPE, TAME | Pb      |
| ID                             | (feet bgs) | Date    | (mg/kg)    | (mg/kg) |
| 1007 1                         |            |         |         |         |         |         |         |         |         |            |         |
| 1997 Investigation<br>B-1/1-15 | 5'         | 1/15/97 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| B-1/1-15                       | 10'        | 1/15/97 | -       | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| B-2/1-15                       | 3'         | 1/15/97 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| B-2/1-15                       | 5'         | 1/15/97 |         | 1.1     | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  | _          | _       |
| B-2/1-15                       | 10'        | 1/15/97 |         | 4.9     | < 0.005 | < 0.5   | < 0.5   | < 0.5   | < 0.05  |            |         |
| B-3/1-15                       | 5'         | 1/15/97 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  | _          | -       |
| B-3/1-15                       | 10'        | 1/15/97 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| B-4/1-15                       | 5'         | 1/15/97 |         | 1,700   | <.5     | <2.5    | <20     | <20     | <5      | _          |         |
| B-4/1-15                       | 10'        | 1/15/97 |         | <1.0    | 0.0052  | < 0.005 | 0.02    | 0.027   | < 0.05  | -          | _       |
| B-5/1-15                       | 3'         | 1/15/97 | -       | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  | _          |         |
| B-5/1-15                       | 5'         | 1/15/97 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  | -          | _       |
| B-5/1-15                       | 10'        | 1/15/97 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| B-6/1-16                       | 2.5'       | 1/16/97 | _       | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            | -       |
| B-6/1-16                       | 5'         | 1/16/97 |         | 910     | < 0.5   | < 0.5   | <10     | <10     | <5      | -          |         |
| B-7/1-16                       | 1.5'       | 1/16/97 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  | _          | -       |
| B-7/1-16                       | 5'         | 1/16/97 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  | _          |         |
| B-8/1-16                       | 3'         | 1/16/97 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  | -          | -       |
| B-8/1-16                       | 5'         | 1/16/97 | -       | 83      | 0.62    | 3.3     | 0.77    | 2.9     | < 0.25  | -          | _       |
| B-9/1-16                       | 5'         | 1/16/97 | -       | 130     | < 0.13  | < 0.13  | <.5     | <.5     | < 0.13  |            | -       |
| B-9/1-16                       | 10'        | 1/16/97 | -       | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| B-9/1-16                       | 15'        | 1/16/97 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            | -       |
| D-9/1-10                       | 13         | 1/10/9/ | -       | ~1.0    | 0.003   | ~0.003  | <0.003  | <0.003  | ~0.03   |            |         |
| 1999 Investigation             |            |         |         |         |         |         |         |         |         |            |         |
| 3472 B1 - 0299                 | 5'         | 2/17/99 |         | 39      | < 0.005 | < 0.005 | < 0.5   | < 0.5   | < 0.05  |            |         |
| 3472 B2 - 0299                 | 5'         | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B2 - 0299                 | 9'         | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B2 - 0299                 | 14"        | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B2 - 0299                 | 19"        | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            | _       |
| 3472 B3 - 0299                 | 5'         | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B3 - 0299                 | 9'         | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B3 - 0299                 | 14"        | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B3 - 0299                 | 19'        | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B4 - 0299                 | 5'         | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B4 - 0299                 | 9'         | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B4 - 0299                 | 14'        | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B4 - 0299                 | 19'        | 2/17/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B5 - 0299                 | 5'         | 2/18/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  | **         |         |
| 3472 B5 - 0299                 | 9'         | 2/18/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B5 - 0299                 | 14'        | 2/18/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 3472 B5 - 0299                 | 19'        | 2/18/99 |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            |         |
| 2001 5                         |            |         |         |         |         |         |         |         |         |            |         |
| 2001 Investigation             |            | 10000   |         |         | -0.005  | -0.000  | -0.005  | -0      | -5.44   |            |         |
| HB1-01                         | 4.5'       | 1/5/01  |         | <1.0    | < 0.005 | < 0.005 | < 0.005 | <0.005  | < 0.05  | -          |         |
| HB2-01                         | 4.5'       | 1/5/01  |         | <1.0    | <0.005  | <0.005  | < 0.005 | < 0.005 | <0.05   |            |         |
| HB3-01                         | 4.5'       | 1/5/01  |         | 1.7     | <0.005  | < 0.005 | < 0.005 | < 0.005 | <0.05   |            |         |
| HB4-01                         | 4.5'       | 1/5/01  |         | 1       | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            | **      |
| HB5-01                         | 4.5'       | 1/5/01  |         | 1,100   | < 0.25  | < 0.25  | <2      | <2.5    | <2.5    |            | **      |
| HA-EJFI                        | 5'         | 6/21/01 |         | 1.2     | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.05  |            | **      |

#### Table 2 SOIL ANALYTICAL DATA

Former Totem Pole Market 580 South Fortuna Boulevard, Fortuna, California Blue Rock Project No. NC-40

|                    | Sample     |         |         |         |         |         |         |         |         | TBA, ETBE,       |         |
|--------------------|------------|---------|---------|---------|---------|---------|---------|---------|---------|------------------|---------|
| Sample             | Depth      | Sample  | TPHd    | TPHg    | В       | Т       | E       | X       | MTBE    | DIPE, TAME       | Рь      |
| ID                 | (feet bgs) | Date    | (mg/kg)          | (mg/kg) |
| 2005 Investigation |            |         |         |         |         |         |         |         |         |                  |         |
| B-10               | 8          | 2/2/05  | 3.1     | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    |         |
| B-10               | 12         | 2/2/05  | 1.6     | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    |         |
| B-10               | 16         | 2/2/05  | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    | **      |
| B-10               | 20         | 2/2/05  | 3.1     | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    | **      |
| B-11               | 4          | 2/2/05  | 14      | 53      | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    |         |
| B-11               | 8          | 2/2/05  | 4       | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    |         |
| B-11               | 12         | 2/2/05  | 1.7     | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    |         |
| B-11               | 16         | 2/2/05  | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    |         |
| B-11               | 20         | 2/2/05  | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    | **      |
| B-12               | 4          | 2/2/05  | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    |         |
| B-12               | 8          | 2/2/05  | 2.3     | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | < 0.01 -< 0.5    |         |
| B-12               | 12         | 2/2/05  | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | <0.01 -< 0.5     |         |
| B-12               | 16         | 2/2/05  | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | <0.01 -< 0.5     |         |
| B-12               | 20         | 2/2/05  | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.01  | < 0.025 | <0.01 -<0.5      |         |
| 2006 Investigation |            |         |         |         |         |         |         |         |         |                  |         |
| MW-1D@ 5'          | 5          | 1/19/06 | 31      | 8.1     | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | <0.01 -< 0.005   | **      |
| MW-1D@ 10'         | 10         | 1/19/06 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | <0.01 -< 0.005   | **      |
| MW-1D@ 15'         | 15         | 1/19/06 | 150     | 110     | 0.088   | < 0.025 | 0.36    | 0.40    | < 0.025 | <0.15 -< 0.025   |         |
| MW-1D@ 19'         | 19         | 1/19/06 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00631 -< 0.005 |         |
| MW-1S@ 4'          | 4          | 1/19/06 | 2,800   | 2,600   | < 0.20  | < 0.20  | < 0.20  | < 0.20  | < 0.20  | <0.20 - <0.90    |         |
| MW-18@ 9'          | 9          | 1/19/06 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005          |         |
| MW-3D@ 5'          | 5          | 1/19/06 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005          |         |
| MW-3D@ 10'         | 10         | 1/19/06 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005          |         |
| MW-3D@ 15'         | 15         | 1/19/06 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005          |         |
| MW-3D@ 19'         | 19         | 1/19/06 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | 0.00641 -< 0.005 |         |
| MW-3S@ 4'          | 4          | 1/19/06 | <1.0    | <1.0    | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005 | < 0.005          |         |
| MW-3S@ 9'          | 9          | 1/19/06 | 150     | 120     | 0.015   | < 0.005 | 0.040   | 0.085   | < 0.005 | <0.015 - < 0.005 |         |

bgs: below ground surface

"--" Not analyzed, available or applicable

mg/kg = milligrams per kilogram

<###: Not detected above the method detection limit as shown

TPHg: Total petroleum hydrocarbons as gasoline by EPA Method 5030/8015M or 5030/8260B

TPHd: Total petroleum hydrocarbons as diesel by EPA Method 8015 BTEX: Benzene, toluene, ethylbenzene, xylenes by EPA Method 8020 or 8260B

MTBE: Methyl tertiary butyl ether by EPA 8020 or 8260B

Lead by EPA Method 6010

TBA: Tertiary butanol by EPA 8260B DIPE: Di isopropyl ether by EPA 8260B ETBE: Ethyl tertiary butyl ether by EPA 8260B TAME: Tertiary amyl methyl ether by EPA 8260B

1 : Concentration of TBA

# Table 3 GROUNDWATER ELEVATIONS AND ANALYTICAL DATA

| Sample              | Sample        |         |        |        |        | TPHd    | TPHg   | B      | T      | E      | X      | MTBE   | TBA    | DIPE   | ETBE   | TAME   |        |
|---------------------|---------------|---------|--------|--------|--------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| ID                  | Date          | (feet)  | (feet) | (feet) | (feet) | (µg/L)  | (µg/L) | (µg/L) | (μg/L) | (µg/L) |
| 4-Zone We           | ells (~4-9 ft | bgs)    |        |        |        |         |        |        |        |        |        |        |        |        |        |        |        |
| MW-1S               | 1/30/06       | 58.98   | 2.17   | 0.00   | 56.81  | <200    | 260    | < 0.5  | < 0.5  | <0.5   | <0.5   | < 0.5  |        |        |        |        |        |
| Screen<br>4' - 9'   | 4/4/06        | 58.98   | 2.41   | 0.00   | 56.57  | <800    | 1,700  | 0.52   | <0.5   | 6.9    | <0.5   | <0.5   | -      | -      | -      | -      |        |
| MW-3S               | 1/30/06       | 59.04   | 1.55   | 0.00   | 57.49  | <100*   | 200    | < 0.5  | < 0.5  | <0.5   | < 0.5  | < 0.5  |        |        |        |        |        |
| Screen<br>4' - 9'   | 4/4/06        | 59.04   | 2.24   | 0.00   | 56.80  | <300*   | 800    | <0.5   | <0.5   | <0.5   | 0.74   | <0.5   |        |        | -      | -      |        |
| MW-4S               | 2/28/05       | 58.15   | 3.39   | 0.00   | 54.76  | <50     | <50    | < 0.5  | <0.5   | < 0.5  | < 0.5  | <1     | ND     | ND     | ND     | ND     |        |
| Screen              | 5/2/05        | 58.15   | 3.57   | 0.00   | 54.58  | <50     | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | <1     | ND     | ND     | ND     | ND     |        |
| 4' - 9'             | 8/9/05        | 58.15   | 4.55   | 0.00   | 53.60  | 67      | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | < 0.5  | <5     | < 0.5  | < 0.5  | < 0.5  |        |
|                     | 8/18/05       | 58.15   | 6.70   | 0.00   | 51.45  |         |        |        |        |        | **     |        |        |        |        |        |        |
|                     | 12/14/05      | 58.15   | 3.95   | 0.00   | 54.20  | <50     | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | < 0.5  | <5     | < 0.5  | < 0.5  | < 0.5  |        |
|                     | 1/30/06       | 58.15   | 3.44   | 0.00   | 54.71  | <50*    | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | < 0.5  |        |        |        |        |        |
|                     | 4/4/06        | 58.15   | 3.46   | 0.00   | 54.69  | <50*    | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | < 0.5  |        |        |        |        | **     |
| B-Zone We           | ells (~14-19  | ft bgs) |        |        |        |         |        |        |        |        |        |        |        |        |        |        |        |
| MW-1D               | 1/30/06       | 58.77   | 10.59  | 0.00   | 48.18  | <1,000* | 4,600  | 96     | 1.4    | 47     | 120    | < 0.5  |        |        |        |        |        |
| Screen<br>14' - 19' | 4/4/06        | 58.77   | 10.08  | 0.00   | 48.69  | <800*   | 6,000  | 300    | 4.4    | 130    | 190    | <0.5   |        |        | -      | -      | -      |
| MW-3D               | 1/30/06       | 58.95   | 10.97  | 0.00   | 47.98  | <50*    | 110    | <0.5   | <0.5   | < 0.5  | <0.5   | < 0.5  |        |        |        |        |        |
| Screen<br>14' - 19' | 4/4/06        | 58.95   | 11.23  | 0.00   | 47.72  | <50*    | <50    | <0.5   | <0.5   | <0.5   | <0.5   | <0.5   |        | -      | -      |        |        |
| MW-4D               | 2/28/05       | 58.03   | 11.93  | 0.00   | 46.10  | <50     | <50    | < 0.5  | < 0.5  | <0.5   | < 0.5  | <1     | ND     | ND     | ND     | ND     |        |
| Screen              | 5/2/05        | 58.03   | 11.13  | 0.00   | 46.90  | <50     | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | <1     | ND     | ND     | ND     | ND     |        |
| 13' - 18'           | 8/9/05        | 58.03   | 13.22  | 0.00   | 44.81  | <50     | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | < 0.5  | <5     | < 0.5  | < 0.5  | < 0.5  |        |
|                     | 8/18/05       | 58.03   | 13.66  | 0.00   | 44.37  |         |        |        |        |        | **     | **     | **     |        | **     |        |        |
|                     | 12/14/05      | 58.03   | 12.96  | 0.00   | 45.07  | <50     | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | < 0.5  | <5     | < 0.5  | < 0.5  | < 0.5  |        |
|                     | 1/30/06       | 58.03   | 9.40   | 0.00   | 48.63  | <50*    | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | < 0.5  |        |        |        |        |        |
| MW-5D               | 2/28/05       | 57.20   | 11.05  | 0.00   | 46.15  | <50     | <50    | < 0.5  | <0.5   | < 0.5  | <0.5   | <1     | ND     | ND     | ND     | ND     | _      |
| Screen              | 5/2/05        | 57.20   | 10.31  | 0.00   | 46.89  | <50     | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | <1     | ND     | ND     | ND     | ND     |        |
| 15' - 20'           | 8/9/05        | 57.20   | 12.41  | 0.00   | 44.79  | <50     | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | < 0.5  | <5     | < 0.5  | < 0.5  | < 0.5  |        |
|                     | 8/18/05       | 57.20   | 12.86  | 0.00   | 44.34  |         |        |        |        | ***    |        |        |        |        | ***    |        | ***    |
|                     | 12/14/05      | 57.20   | 12.04  | 0.00   | 45.16  | <50     | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | < 0.5  | <5     | < 0.5  | < 0.5  | < 0.5  |        |
|                     | 1/30/06       | 57.20   | 9.03   | 0.00   | 48.17  | <50*    | <50    | < 0.5  | < 0.5  | < 0.5  | < 0.5  | < 0.5  |        |        |        |        |        |
|                     | 4/4/06        | 57.20   | No Ac  | cess   |        |         |        |        |        |        |        |        |        |        |        |        |        |

## Table 3 GROUNDWATER ELEVATIONS AND ANALYTICAL DATA

| Sample<br>ID | Sample<br>Date | TOC<br>(feet) |         |         |        | TPHd<br>(µg/L) | TPHg (µg/L) | B<br>(μg/L) | T<br>(µg/L) | E<br>(µg/L) | X<br>(µg/L) | MTBE<br>(µg/L) | TBA (μg/L) | DIPE<br>(µg/L) | ETBE<br>(µg/L) | TAME<br>(μg/L) | Pb (ug/L) |
|--------------|----------------|---------------|---------|---------|--------|----------------|-------------|-------------|-------------|-------------|-------------|----------------|------------|----------------|----------------|----------------|-----------|
|              |                |               |         |         |        | n 0            |             |             |             |             |             |                |            | 4.0            |                | 4.6            |           |
| Destroyea    | Wells - Pote   | ntially S     | creened | Acros   | 8 A- & | B-Zones        |             |             |             |             |             |                |            |                |                |                |           |
| MW-1         | 8/12/96        | 98.70         | 13.92   | 0.00    | 84.78  | <500           | 1,700       | 72          | <3          | 24          | 72          | <10            |            |                |                |                |           |
| Screen       | 9/9/96         | 98.70         | 14.40   | 0.00    | 84.30  |                |             |             |             |             |             |                |            |                |                |                |           |
| 5' - 15'     | 10/8/96        | 98.70         | 14.40   | 0.00    | 84.30  |                |             |             |             |             |             |                |            |                |                |                |           |
|              | 11/25/96       | 98.70         | 6.00    | 0.00    | 92.70  | 110            | 1,700       | 31          | <5          | 38          | 59          | <5             |            |                |                |                | <2        |
|              | 1/9/97         | 98.70         | 4.78    | 0.00    | 93.92  |                |             |             |             |             |             |                |            |                |                |                |           |
|              | 2/4/97         | 98.70         | 4.92    | 0.00    | 93.78  | 330            | 930         | 1.8         | <10         | 14          | 20          | <5             |            |                |                |                |           |
|              | 3/19/97        | 98.70         | 10.05   | 0.00    | 88.65  |                |             |             |             |             |             |                |            |                |                |                | -         |
|              | 4/7/97         | 98.70         | 11.66   | 0.00    | 87.04  |                |             | **          | -           |             |             |                |            |                |                |                |           |
|              | 5/1/97         | 98.70         | 12.11   | 0.00    | 86.59  | 480            | 790         | 1.3         | 2.7         | 5.9         | 16.7        | <5             |            |                |                |                |           |
|              | 6/3/97         | 98.70         | 12.64   | 0.00    | 86.06  |                | -           | -           |             |             |             |                |            |                |                |                | **        |
|              | 7/7/97         | 98.70         | 13.57   | 0.00    | 85.13  | -              | _           | -           |             |             |             |                | _          |                |                |                |           |
|              | 8/13/97        | 98.70         | 13.98   | 0.00    | 84.72  |                |             |             |             |             |             |                |            |                |                |                |           |
|              | 1/16/98        | 98.70         | 9.32    | 0.00    | 89.38  |                |             |             |             |             |             |                |            |                |                |                |           |
|              | 5/5/98         | 98.70         | 9.79    | 0.00    | 88.91  | 190            | 1,000       | 2.8         | <2          | 15          | <10         | <5             |            |                |                |                |           |
|              | 2/22/99        | 98.70         | 7.61    | 0.00    | 91.09  |                |             |             |             |             |             |                |            |                |                |                | **        |
|              | 3/5/99         | 98.70         |         | 0.00    |        | 120            | 830         | <5          | <5          | 12          | <5          | <5             |            |                |                |                |           |
|              | 5/3/01         | 98.70         | 12.22   | 0.00    | 86.48  | 300            | 4,700       | 14          | <30         | 28          | 38          | <30            |            |                |                |                | **        |
|              | 9/4/01         | 98.70         | 13.95   | 0.00    | 84.75  |                | -           |             |             |             |             |                |            |                |                |                |           |
|              | 11/9/01        | 98.70         | 13.90   | 0.00    | 84.80  | **             |             |             |             |             |             |                |            |                |                |                |           |
|              | 2/25/03        | 98.70         | 9,54    | 0.00    | 89.16  | 140            | 1,900       | 0.85        | < 0.5       | 5.5         | 0.74        | <1             | ND         | 3.9            | ND             | ND             |           |
|              | 5/16/03        | 98.70         | 7.82    | 0.00    | 90.88  | 220            | 1,500       | < 0.5       | < 0.5       | 3.8         | <.5         | <1             | ND         | 4.3            | ND             | ND             |           |
|              | 8/6/03         | 98.70         | 13.59   | 0.00    | 85.11  | 280            | 2,000       | 1.4         | < 0.5       | 4.4         | 1.0         | <1             | ND         | 3.0            | ND             | ND             | **        |
|              | 11/11/03       | 98.70         | 13.97   | 0.00    | 84.73  |                | 2,000       | 4.3         | < 0.5       | 3.4         | 1.8         | <1             | ND         | ND             | ND             | ND             | **        |
|              | 2/17/04        | 98.70         | 5.96    | 0.00    | 92.74  | 290            | 2,600       | <.5         | < 0.5       | 5.0         | 0.53        | <1             | ND         | ND             | ND             | ND             |           |
|              | 5/14/04        | 98.70         | 12.31   | 0.00    | 86.39  | 140            | 2,200       | 1.2         | < 0.5       | 3.0         | 1.31        | <1             | ND         | ND             | ND             | ND             |           |
|              | 8/17/04        | 98.70         | 13.98   | 0.00    | 84.72  | **             | 2,700       | 3.5         | < 0.5       | 3.1         | 0.87        | <1             | ND         | ND             | ND             | ND             |           |
|              | 11/30/04       | 98.70         | 13.96   | 0.00    | 84.74  |                | 2,900       | 10          | < 0.5       | 3.0         | 1.0         | <1             | ND         | ND             | ND             | ND             |           |
|              | 2/28/05        | 58.63         | 8.75    | 0.00    | 49.88  | 160            | 3,700       | <.5         | < 0.5       | 4.4         | 0.60        | <1             | ND         | 2.3            | ND             | ND             |           |
|              | 5/2/05         | 58.63         | 10.17   | 0.00    | 48.46  | 330            | 3,200       | 0.66        | < 0.5       | 2.9         | 0.62        | <1             | ND         | 4.1            | ND             | ND             |           |
|              | 8/9/05         | 58.63         | 13.15   | 0.00    | 45.48  |                | -           |             |             | -           |             |                |            |                |                |                |           |
|              | 8/18/05        | 58.63         | 13.25   | 0.00    | 45.38  | <1,000*        | 1,800       | 1.9         | < 0.5       | 1.9         | < 0.5       | < 0.5          | 9.7        | 5.2            | < 0.5          | < 0.5          |           |
|              | 12/14/05       | 58.63         | 11.20   | 0.00    | 47.43  | <500*          | 1,000       | 0.69        | < 0.5       | 2.5         | < 0.5       | < 0.5          | 8.7        | 5.3            | < 0.5          | < 0.5          |           |
|              | 1/30/06        | Well D        | estrove | d 1/19/ | /06    |                |             |             |             |             |             |                |            |                |                |                |           |

# Table 3 GROUNDWATER ELEVATIONS AND ANALYTICAL DATA Former Totem Pole Market

| Sample<br>ID | Sample<br>Date | TOC<br>(feet) |         |       | GWE<br>(feet) | TPHd<br>(µg/L) | TPHg<br>(μg/L) | B<br>(μg/L) | T<br>(μg/L) | E<br>(μg/L) | X<br>(μg/L) | MTBE<br>(μg/L) | TBA<br>(μg/L) | DIPE<br>(µg/L) | ETBE<br>(μg/L) | TAME<br>(μg/L) |       |
|--------------|----------------|---------------|---------|-------|---------------|----------------|----------------|-------------|-------------|-------------|-------------|----------------|---------------|----------------|----------------|----------------|-------|
| Destroyed    | Wells - Pote   | ntially S     | creened | Acros | s A- & I      | B-Zones        |                |             |             |             |             |                |               |                |                |                |       |
| MW-2         | 8/12/96        | 99.45         | 17.17   | 0.00  | 82.28         | <500           | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             | ND            | ND             | ND             | ND             |       |
| Screen       | 9/9/96         | 99.45         | 14.58   | 0.00  | 84.87         | -              |                |             |             |             |             |                |               |                |                |                |       |
| 5' - 15'     | 10/8/96        | 99.45         | 14.56   | 0.00  | 84.89         |                |                |             |             |             |             |                |               |                |                |                |       |
|              | 11/25/96       | 99.45         | 4.70    |       |               | <500           | <50            | < 0.5       | < 0.5       | < 0.5       | 0.77        | <5             | ND            | ND             | ND             | ND             | 0.028 |
|              | 1/9/97         | 99.45         | 4.39    | 0.00  | 95.06         |                |                |             |             |             |             |                |               |                |                |                | **    |
|              | 2/4/97         | 99.45         | 3.20    | 0.00  | 96.25         | <500           | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | 69             | ND            | ND             | ND             | ND             |       |
|              | 3/19/97        | 99.45         | 4.36    |       |               |                |                |             |             |             |             |                |               | ***            | **             | ***            |       |
|              | 4/7/97         | 99.45         | 10.02   |       |               |                |                |             |             |             |             |                |               |                | **             |                |       |
|              | 5/1/97         | 99.45         | 4.79    | 0.00  | 94.66         | <500           | <50            | < 0.5       | 0.55        | < 0.5       | 1.59        | <5             | ND            | ND             | ND             | ND             |       |
|              | 6/3/97         | 99.45         | 13.80   | 0.00  | 85.65         |                |                |             |             |             |             |                |               |                |                |                |       |
|              | 7/7/97         | 99.45         | 14.18   | 0.00  | 85.27         |                |                |             |             |             |             |                |               |                |                |                |       |
|              | 8/13/97        | 99.45         | 14.18   | 0.00  | 85.27         |                |                |             |             |             |             |                |               |                |                |                |       |
|              | 1/16/98        | 99.45         | 13.63   | 0.00  | 85.82         |                |                |             |             |             |             |                |               |                |                |                |       |
|              | 5/5/98         | 99.45         | 11.57   | 0.00  | 87.88         | <500           | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             | ND            | ND             | ND             | ND             |       |
|              | 2/22/99        | 99.45         | 12.65   | 0.00  | 86.80         |                |                | -           | **          |             |             |                |               |                |                |                |       |
|              | 3/5/99         | 99.45         | 8.51    | 0.00  | 90.94         | <500           | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             | ND            | ND             | ND             | ND             |       |
|              | 5/3/01         | 99.45         | 11.64   | 0.00  | 87.81         |                |                |             |             |             |             |                |               |                |                |                |       |
|              | 9/4/01         | 99.45         | 14.08   | 0.00  | 85.37         | <500           | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             | ND            | ND             | ND             | ND             |       |
|              | 11/9/01        | 99.45         | 13.99   | 0.00  | 85.46         |                |                |             |             | **          |             |                |               |                |                |                |       |
|              | 2/25/03        | 99.45         | 3.35    | 0.00  | 96.10         |                | **             |             | **          | **          |             |                |               |                |                |                |       |
|              | 5/16/03        | 99.45         | 4.72    | 0.00  | 94.73         |                |                |             | **          |             |             |                |               |                | ***            |                |       |
|              | 8/6/03         | 99.45         | 13.70   | 0.00  | 85.75         |                |                |             | **          |             |             |                |               | **             |                |                |       |
|              | 11/11/03       | 99,45         | 14.04   | 0.00  | 85.41         |                |                |             |             | **          |             |                |               |                |                | **             |       |
|              | 2/17/04        | 99,45         | 1.22    | 0.00  | 98.23         | <500           | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             | ND            | ND             | ND             | ND             |       |
|              | 5/14/04        | 99.45         | 12.74   | 0.00  | 86.71         |                |                |             | **          |             | **          |                | **            | **             |                |                |       |
|              | 8/17/04        | 99.45         | 14.20   | 0.00  | 85.25         | ***            |                |             | **          | **          |             |                |               |                |                | **             |       |
|              | 11/30/04       | 99.45         | 13.03   | 0.00  | 86.42         |                |                |             | **          |             |             |                |               |                |                |                |       |
|              | 2/28/05        | 58.97         | 2.92    | 0.00  | 56.05         | <500           | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             | ND            | ND             | ND             | ND             |       |
|              | 5/2/05         | 58.97         | 10.08   | 0.00  | 48.89         |                |                |             |             |             |             |                |               |                |                |                |       |
|              | 8/9/05         | 58.97         | 14.03   | 0.00  | 44.94         |                |                |             |             |             |             |                |               |                |                |                |       |
|              | 8/18/05        | 58.97         |         | 0.00  | 44.94         |                |                |             |             |             |             |                |               |                |                |                |       |
|              | 12/14/05       | 58.97         | 8.04    | 0.00  | 50.93         |                |                |             |             |             |             |                |               |                |                |                |       |
|              | 1/30/06        |               | estroye |       |               |                |                |             |             |             |             |                |               |                |                |                |       |

#### Table 3

#### GROUNDWATER ELEVATIONS AND ANALYTICAL DATA

Former Totem Pole Market 580 South Fortuna Boulevard, Fortuna, California Blue Rock Project No. NC-40

| Sample<br>ID | Sample<br>Date | TOC<br>(feet) |         |         | GWE<br>(feet) | TPHd<br>(µg/L) | TPHg<br>(μg/L) | B<br>(μg/L) | T<br>(μg/L) | E<br>(μg/L) | X<br>(µg/L) | MTBE<br>(μg/L) | TBA<br>(μg/L) | DIPE<br>(µg/L) | ETBE<br>(μg/L) | TAME<br>(μg/L) | Pb<br>(μg/L) |
|--------------|----------------|---------------|---------|---------|---------------|----------------|----------------|-------------|-------------|-------------|-------------|----------------|---------------|----------------|----------------|----------------|--------------|
| Destroyed    | Wells - Pote   | ntially S     | creene  | l Acros | s A- & I      | B-Zones        |                |             |             |             |             |                |               |                |                |                |              |
| MW-3         | 8/12/96        | 98.89         | 16.95   | 0.00    | 81.94         | <200           | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             | _             |                |                | _              | -            |
| Screen       | 9/9/96         | 98.89         | 13.93   | 0.00    | 84.96         |                |                | -           |             |             |             | -              | -             |                |                |                |              |
| 5' - 15'     | 10/8/96        | 98.89         | 14.79   | 0.00    | 84.10         |                |                |             |             |             |             |                | -             |                |                |                | -            |
|              | 11/25/96       | 98.89         | 2.54    | 0.00    | 96.35         | <50            | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |               |                |                |                |              |
|              | 1/9/97         | 98.89         | 2.58    | 0.00    | 96.31         |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 2/4/97         | 98.89         | 2.04    | 0.00    | 96.85         | <50            | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |               |                |                |                |              |
|              | 3/19/97        | 98.89         | 2.97    | 0.00    | 95.92         | _              |                | -           |             | _           |             | -              |               |                |                | -              |              |
|              | 4/7/97         | 98.89         | 3.31    | 0.00    | 95.58         |                |                |             |             | -           |             |                |               |                |                |                |              |
|              | 5/1/97         | 98.89         | 2.32    | 0.00    | 96.57         | <50            | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |               |                |                |                |              |
|              | 6/3/97         | 98.89         | 2.55    | 0.00    | 96.34         |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 7/7/97         | 98.89         | 10.75   | 0.00    | 88.14         |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 8/13/97        | 98.89         | 14.14   | 0.00    | 84.75         |                |                |             |             |             |             |                |               |                | -              | _              |              |
|              | 1/16/98        | 98.89         | 0.51    | 0.00    | 98.38         |                |                |             |             |             |             |                |               |                | -              |                |              |
|              | 5/5/98         | 98.89         | 3.32    | 0.00    | 95.57         | <50            | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |               |                |                | _              |              |
|              | 2/22/99        | 98.89         | 1.00    | 0.00    | 97.89         | _              |                |             | _           |             |             |                |               |                |                |                |              |
|              | 3/5/99         | 98.89         |         |         |               | <50            | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |               |                |                |                |              |
|              | 5/3/01         | 98.89         | 2.95    | 0.00    | 95.94         |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 9/4/01         | 98.89         | 14.15   | 0.00    | 84.74         | <50            | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |               |                | -              |                |              |
|              | 11/9/01        | 98.89         | 11.39   | 0.00    | 87.50         |                |                |             |             |             |             |                |               |                | -              |                |              |
|              | 2/25/03        | 98.89         | 4.24    | 0.00    | 94.65         |                |                |             |             |             |             |                |               | _              |                |                | _            |
|              | 5/16/03        | 98.89         | 3.18    | 0.00    | 95.71         |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 8/6/03         | 98.89         | 14.02   | 0.00    | 84.87         |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 11/11/03       | 98.89         | 2.87    | 0.00    | 96.02         |                |                |             |             |             |             |                |               |                |                |                | -            |
|              | 2/17/04        | 98.89         | 0.74    | 0.00    | 98.15         | <50            | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <1             | ND            | ND             | ND             | ND             | ND           |
|              | 5/14/04        | 98.89         | 9.12    | 0.00    | 89.77         |                |                |             | **          |             |             |                | -             |                | -              | _              |              |
|              | 8/17/04        | 98.89         | 14.15   | 0.00    | 84.74         |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 11/30/04       | 98.89         | 3.26    | 0.00    | 95.63         |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 2/28/05        | 58.85         |         | **      |               |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 5/2/05         | 58.85         |         |         | **            |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 8/9/05         | 58.85         | 12.64   | 0.00    | 46.21         | <50            | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | < 0.5          | <5            | < 0.5          | < 0.5          | < 0.5          |              |
|              | 8/18/05        | 58.85         | 13.82   | 0.00    | 45.03         |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 12/14/05       | 58.85         | 3.56    | 0.00    | 55.29         |                |                |             |             |             |             |                |               |                |                |                |              |
|              | 1/30/06        |               | estroye |         |               |                |                |             |             |             |             |                |               |                |                |                |              |
|              |                |               |         |         | MCL           |                |                | 1.0         | 150         | 300         | 1,750       | 13             |               |                |                |                |              |
|              |                | Ta            | ste and | odor th | reshold       |                | 5              | ***         | 42          | 29          | 17          | 5              |               |                |                |                |              |
|              |                |               |         |         | p Goals       | 100            | 50             | 0.5         | 42          | 29          | 17          | 5              |               |                |                |                |              |

TOC: Top of well casing referenced to arbitrary site benchmark until 3/02, MSL thereafter

DTW: Depth to water as referenced to top of casing SPH: Separate phase hydrocarbon on top of groundwater GWE: Groundwater elevation as referenced to benchmark

μg/L = micrograms per liter

TPHd: Total petroleum hydrocarbons as diesel by Method 8015 (\* = silica-gel clean-up)

TPHg: Total petroleum hydrocarbons as gasoline by Method 5030/8015M or 5030/8260B BTEX: Benzene, toluene, ethylbenzene, xylenes by Method 8020 or 8260B

MTBE: Methyl tertiary butyl ether by Method 8020 or 8260B

TBA: Tertiary butyl alcohol by Method 8260B DIPE: Di isopropyl ether by Method 8260B ETBE: Ethyl tertiary butyl ether by Method 8260B TAME: Tertiary amyl methyl ether by method 8260B

MCL: Maximum contaminant level

NCRWQCB: North Coast Region Water Quality Control Boar

#### Table 4 CUMULATIVE GRAB GROUNDWATER ANALYTICAL DATA

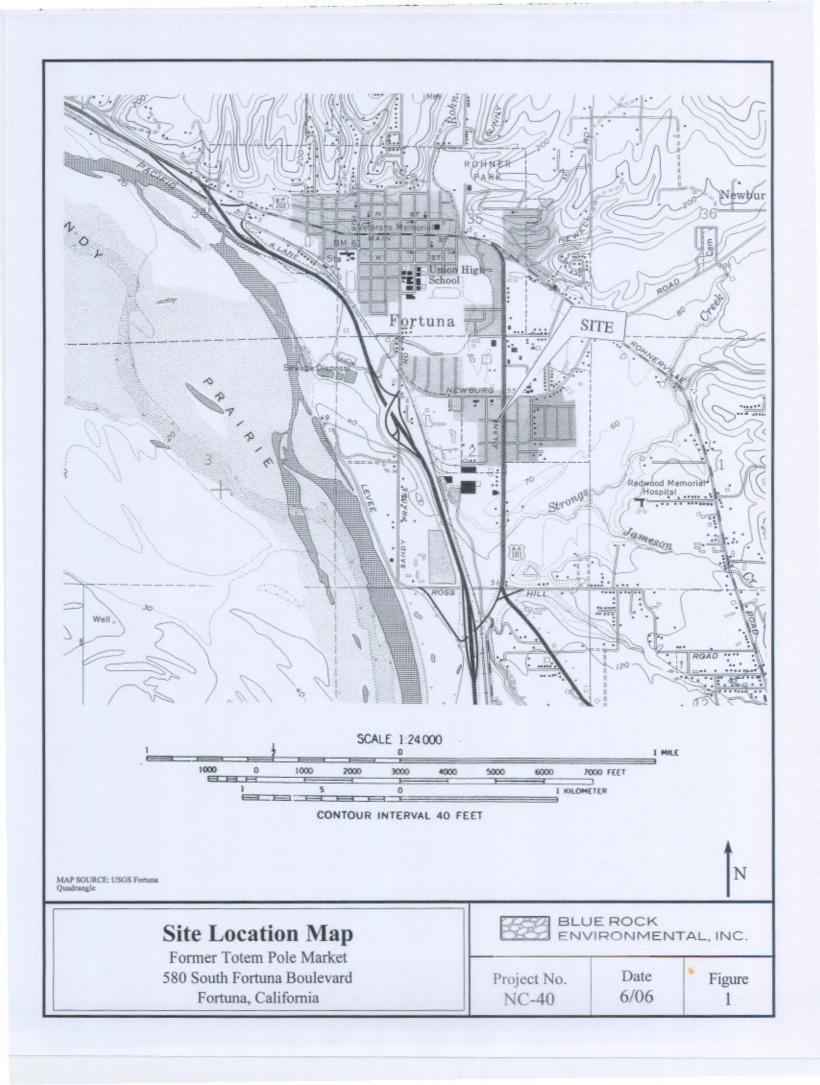
Former Totem Pole Market 580 South Fortuna Blvd., Fortuna, California Blue Rock Project No. NC-40

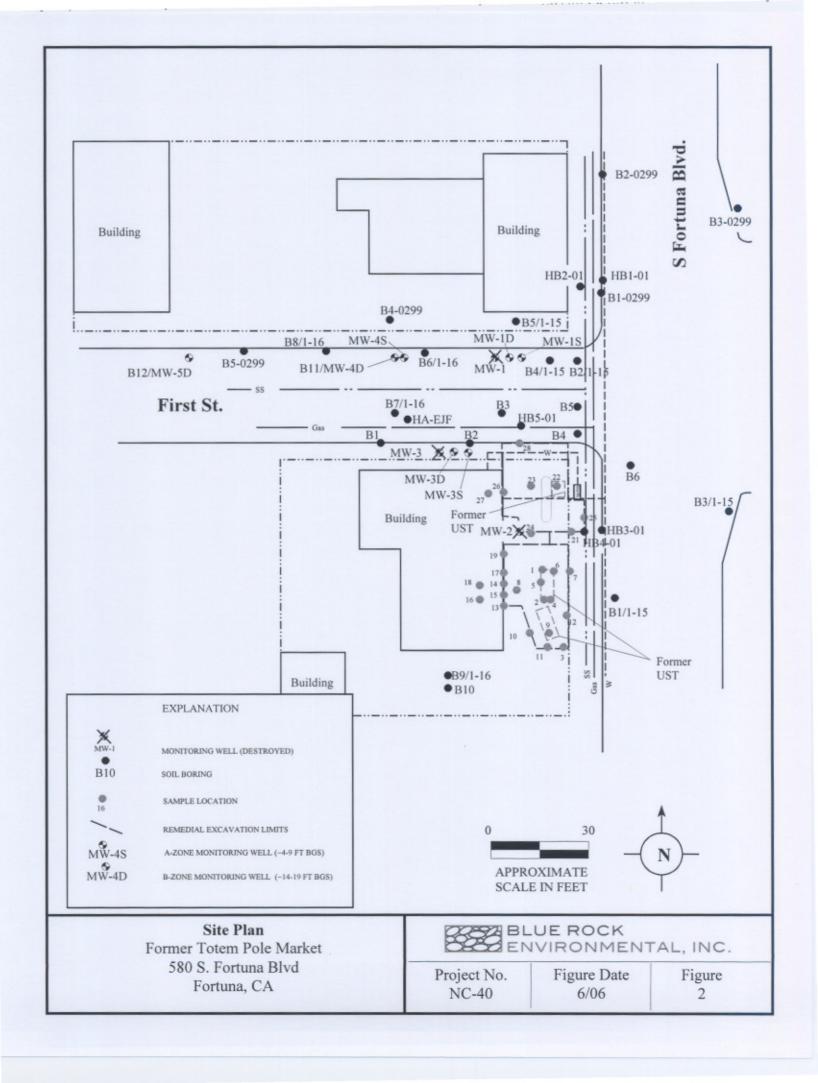
| Sample<br>No. | Boring<br>Depth<br>(feet bgs) | Water<br>Depth<br>(feet bgs) | Sampling<br>Date | TPHd<br>(μg/L) | TPHg<br>(μg/L) | B<br>(μg/L) | T<br>(µg/L) | E<br>(µg/L) | X<br>(μg/L) | MTBE<br>(μg/L) |
|---------------|-------------------------------|------------------------------|------------------|----------------|----------------|-------------|-------------|-------------|-------------|----------------|
| A-Zone Grab   | Samples (~                    | 4 to 9 feet)                 |                  |                |                |             |             |             |             |                |
| B-1           | 7                             | 3                            | 2/27/96          |                | <50            | < 0.5       | < 0.5       | <0.5        | < 0.5       | < 0.5          |
| B-1/1-15      | 10                            | 2.5                          | 1/15/97          |                | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | < 0.5          |
| B-2/1-15      | 10                            | 3                            | 1/15/97          |                | 3,200          | <2.5        | <7          | <20         | <20         | <25            |
| B-3/1-15      | 10                            | 2.5                          | 1/15/97          |                | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | < 0.5          |
| B-4/1-15      | 10                            | 3                            | 1/15/97          | **             | 1,600          | <4          | <5          | <12         | <12         | <5             |
| B-5/1-15      | 10                            | 1.75                         | 1/15/97          |                | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |
| B-6/1-16      | 10                            | 1.5                          | 1/16/97          |                | 2,500          | <5          | <5          | <30         | <30         | <50            |
| B-7/1-16      | 10                            | 2                            | 1/16/97          |                | 50             | < 0.5       | < 0.5       | <1.5        | <1.5        | <5             |
| B-8/1-16      | 10                            | 2.5                          | 1/16/97          |                | 470            | < 0.5       | <4          | <8          | <8          | <5             |
| HA-EJF1       | 5                             | 4.5                          | 6/21/01          |                | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <3             |
| B-Zone Grab   | Samples (~                    | 14 to 19 feet)               |                  |                |                |             |             |             |             |                |
| B-9/1-16      | 20                            | 16                           | 1/16/97          |                | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |
| B2-0299       | 19                            | 17                           | 2/17/99          |                | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |
| B3-0299       | 19                            | 14                           | 2/17/99          |                | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |
| B4-0299       | 19                            | 14                           | 2/17/99          |                | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |
| B10-W16-20    | 20                            | 14                           | 2/2/05           |                | <50            | <0.5        | < 0.5       | < 0.5       | < 0.5       | <1             |
| Grab Sample   | s from Poter                  | ntially Mixed                | Zones            |                |                |             |             |             |             |                |
| B-3           | 14                            | 2                            | 2/27/96          |                | 14,000         | 120         | <50         | 370         | 80          | <130           |
| B5-0299       | 19                            | 10                           | 2/17/99          |                | <50            | < 0.5       | < 0.5       | < 0.5       | < 0.5       | <5             |

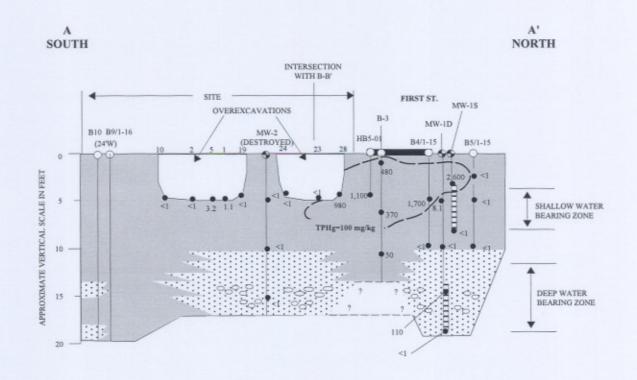
#### Notes:

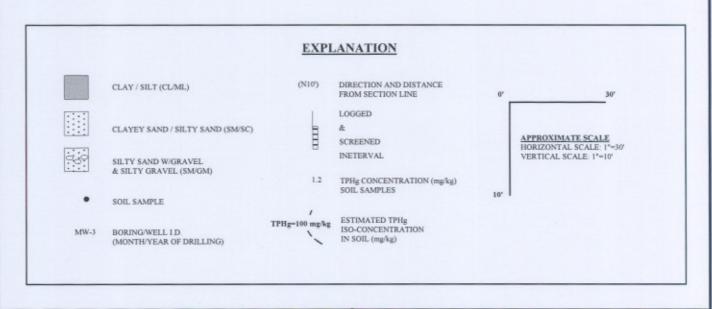
µg/L: micrograms per liter
"--": Not analyzed, available, or applicable
TPHd: Total petroelum hydrocarbons as diesel TPHg: Total petroleum hydrocarbons as gasoline BTEX: benzene, toluene, ethylbenzene, xylenes

MTBE: Methyl tertiary butyl ether Note: Data transcribed from LACO data









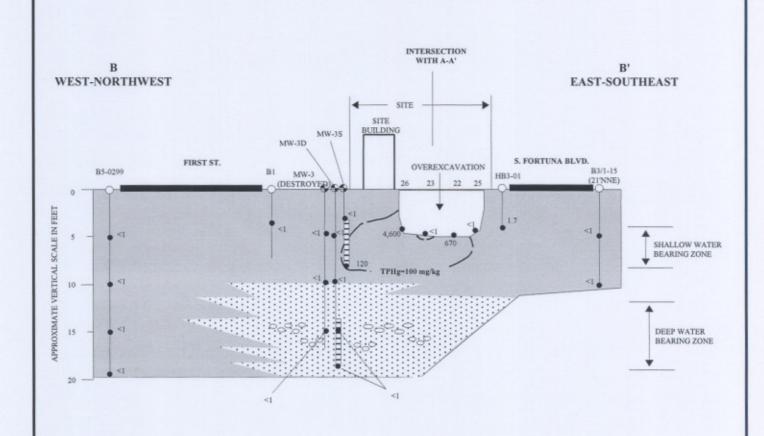
### A-A' CROSS-SECTION Former Totem Pole Market 580 S. Fortuna Blvd. Fortuna, CA

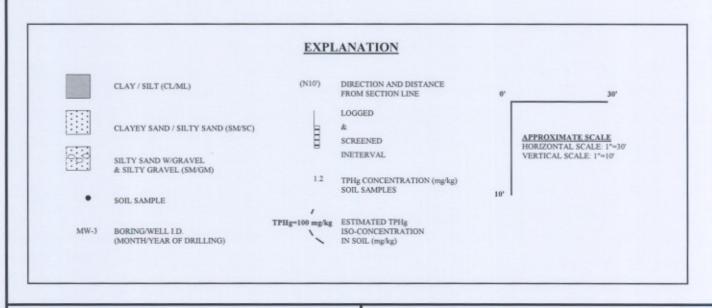


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| NC-40       |  |

Report Date 606 Figure 2a





## B-B' CROSS-SECTION

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|-------------|
| NC-40       |

Report Date 6/06 Figure 2b

